

Title (en)  
Digital threshold colour control system.

Title (de)  
Kolorimetrisches digitales Kontrollsystem.

Title (fr)  
Système numérique de contrôle colorimétrique.

Publication  
**EP 0279988 A1 19880831 (EN)**

Application  
**EP 87310819 A 19871209**

Priority  
• US 7581787 A 19870720  
• US 94241486 A 19861216

Abstract (en)  
A system for the digital quantitative colorimetric analysis of NAD(P)H and biological fluids and organic compounds that generate NAD(P)H when reacted with a specific dehydrogenase. An NAD(P)H-dependent chromogen reduction occurs, which results in a visible color change. A known quantity of a competing reactant for the NAD(P)H is used, which prevents the chromogen from reacting and changing color until the reactant is consumed, the quantity of which corresponds to the threshold concentration of the NAD(P)H or the compound reacting to generate NAD(P)H. Disposable devices and methods of use are also disclosed.

IPC 1-7  
**C12Q 1/00**; **C12Q 1/32**

IPC 8 full level  
**C12Q 1/00** (2006.01); **C12Q 1/32** (2006.01); **G01N 33/52** (2006.01)

IPC 8 main group level  
**C12Q** (2006.01)

CPC (source: EP US)  
**C12Q 1/008** (2013.01 - EP US); **G01N 33/521** (2013.01 - EP US); **Y10S 436/904** (2013.01 - EP US)

Citation (search report)  
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• [A] CH 658073 A5 19861015 - CAMILLE JEAN HEUSGHEM  
• [A] DE 3408062 A1 19840913 - KYOTO DAIICHI KAGAKU KK [JP], et al  
• [A] EP 0124909 A2 19841114 - WAKO PURE CHEM IND LTD [JP]  
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Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**WO 8804694 A1 19880630**; AT E62935 T1 19910515; CA 1312539 C 19930112; DE 3769632 D1 19910529; DK 459288 A 19880816; DK 459288 D0 19880816; EP 0279988 A1 19880831; EP 0279988 B1 19910424; ES 2022901 B3 19911216; GR 3002303 T3 19921230; JP H02501797 A 19900621; NO 883586 D0 19880812; NO 883586 L 19881012; US 5036000 A 19910730

DOCDB simple family (application)  
**US 8703335 W 19871215**; AT 87310819 T 19871209; CA 554476 A 19871216; DE 3769632 T 19871209; DK 459288 A 19880816; EP 87310819 A 19871209; ES 87310819 T 19871209; GR 910401001 T 19910711; JP 50073088 A 19871215; NO 883586 A 19880812; US 7581787 A 19870720